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Signature

PTO/SB/05 (08-03) Approved for use through 07/31/2006. OMB 0651-0032

29 October 2003

Date

U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

1768-43-3 Attorney Docket No. CHANG, Pyung Hun First Inventor METHOD FOR TUNING PID CONTROLLERS Title APPLICABLE TO NONLINEAR SYSTEMS Express Mail Label No. ER 452755609 US

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b)) Mail Stop Patent Application APPLICATION ELEMENTS **Commissioner for Patents** ADDRESS TO: P.O. Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria VA 22313-1450 1. Fee Transmittal Form (e.g., PTO/SB/17) 7. CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplicate for fee processing) Computer Program (Appendix) 2. 🔯 Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) з. 🖂 Specification [Total Pages a. Computer Readable Form (CRF) (preferred arrangement set forth below) b. Specification Sequence Listing on: - Descriptive title of the Invention i. CD-ROM or CD-R (2 copies); or Cross Reference to Related Applications ii. 🔲 Paper - Statement Regarding Fed sponsored R & D c. Statements verifying identity of above copies - Reference to sequence listing, a table, or a computer program listing appendix ACCOMPANYING APPLICATIONS PARTS - Background of the Invention 9. 🛛 - Brief Summary of the Invention Assignment Papers (cover sheet & document(s)) - Brief Description of the Drawings (if filed) 10. 🔲 37 C.F.R. 3.73(b) Statement Power of - Detailed Description (when there is an assignee) Attorney - Claim(s) - Abstract of the Disclosure 11. English Translation Document (if applicable) 12. 🔯 Information Disclosure Copies of IDS Drawing(s) (35 U.S.C.113) [Total Sheets 10 Statement (IDS)/PTO-1449 Citations 5. Oath or Declaration Total Sheets 13. 🔯 **Preliminary Amendment** a. Newly executed (original or copy) 14. 🖾 Return Receipt Postcard (MPEP 503) b. Copy from a prior application (37 CFR 1.63 (d)) (Should be specifically itemized) (for a continuation/divisional with Box 18 completed) 15. 🛛 Certified Copy of Priority Document(s) i. DELETION OF INVENTOR(S) (if foreign priority is claimed) Signed statement attached deleting inventor(s) 16. 🔲 Nonpublication Request under 35 U.S.C. 122 named in the prior application, see 37 CFR (b)(2)(B)(i). Applicant must attach form PTO/SB/35 1.63(d)(2) and 1.33(b). or its equivalent. 6. Application Data Sheet. See 37 CFR 1.76 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: ☐ Continuation □ Divisional ☐ Continuation-in-part (CIP) of prior application No: _ Prior application information: Examiner Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS 000996 □ Customer Number OR \square Correspondence address below Name Address City State Zip Code Country Telephone Name (Print/Type) Registration No. (Attorney/Agent)

This collection of information is required by 3° CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or/suggestions for/reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PATENT APPLICATION - CERTIFICATE OF EXPRESS MAILING

Inventors:

CHANG, Pyung Hun

JUNG, Je Hyung

Title of Invention:

METHOD FOR TUNING PID CONTROLLERS APPLICABLE

TO NONLINEAR SYSTEMS

Attorney Dkt. No.: 1768-43-3

CERTIFICATE OF EXPRESS MAILING

"Express Mail" mailing label number: ER 452755609 US

Date of Deposit: 29 October 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR, Section 1.10 on the date indicated above and is addressed to Mail Stop Patent Application. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 by

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Enclosures:

Application Transmittal Form

Fee Transmittal Form

Check No. 21161 in the amount of \$415

Combination Declaration/Power of Attorney

Recordation Form Cover Sheet

Assignment

Preliminary Amendment

Patent Application (24 pages)

Drawings (10 sheets)

Certified copy of priority document (Korean App. No. 10-2003-0006597)

IDS Transmittal

Form 1449 w/cited references (8)

Return postcard

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision. Applicant claims small entity status. See 37 CFR 1.27

415

TOTAL AMOUNT OF PAYMENT

Name (Print/Type)

Signature

Complete if Known						
Application Number						
Filing Date	29 October 2003					
First Named Inventor	CHANG, Pyung Hun					
Examiner Name						
Art Unit						
Attorney Docket No.	1768-43-3					

METHOD OF PAYMENT (check all that apply)						FEE CALCULATION (continued)									
						3. ADDITIONAL FEES									
						Large	Entity	Small E	ntity						
Deposit								Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid		
Account 07-1897								1051	130	2051	65	Surcharge - late filing fee or oath			
Number								1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.			
Deposit									130	1053	130	Non-English specification			
Account Graybeal Jackson Haley LLP Name							1812	2,520	1812	2,520	For filing a request for reexamination				
The Director is authorized to: (check all that apply)									920°	1804	920*	Requesting publication of SIR prior to Examiner action			
☐ Charge fee(s) indicated below ☐ Credit any overpayments ☐ Charge any additional fee(s) during the pendency of this application								1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action			
to the abov				xcept for the	filing fe	е		1251	110	2251	55	Extension for reply within first month			
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		001 375	5 Uti	ility filing fee		375	1	1401	320	2401	160	Notice of Appeal			
1002 3	30 2	002 165	. De	esign filing fee			1	1402	320	2402	160	Filing a brief in support of an appeal			
1003 5	20 2	003 260) Pla	ant filing fee			1	1403	280	2403	140	Request for oral hearing			
		004 375 005 80		eissue filing fe ovisional filling			1	1451	1,510	1451	1,510	Petition to institute a public use proceeding			
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(Attorney/Agent)

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Telephone

Date

425-455-5575

29 October 2003